

## INVITATION FOR QUOTATION

TEQIP-II/2013/KL1G15/Shopping/73

20-Dec-2013

To,

### Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	VLSI front end tool	1	45	Department of ECE, TKM College of Engineering, Kollam-5	Installation required

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
  - 3.1 The contract shall be for the full quantity as described above.
  - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

**Delivery and Installation - 90% of total cost**

**Satisfactory Acceptance - 10% of total cost**

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **14:00** hours on **15-Jan-2014** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Training to be provided**
14. Testing/Installation Clause (if any) **Testing and installation included**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,  
Thangal Kunju Musaliar College of Engineering, TKMC P.O., Karicode, Kollam- 691005 Kerala
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

#### Annexure I

Sr. No	Item Name	Specifications
1	VLSI front end tool	<p>Front End Design specification:</p> <p>1. Software for FPGA Design, spice Simulation Specifications: • Software should be able to perform FPGA Design, embedded system design, spice Simulation and complete PCB Design from same GUI and should support FPGA,CPLD Boards&amp; ARM microcontroller boards •Tool should be a vendor independent, should be able to work with Xilinx and a devices • VHDL/Verilog simulation engine, integrated debugger and waveform viewer with third- party support for ModelSim and Active-HDL. FPGA Flow should support C to FPGA Compiling,Verilog, VHDL,C++ &amp; Schematic • 32-bit soft processors for use in FPGA design: TSK3000A, Xilinx MicroBlaze, a Nios II, ARM7 and PowerPC. Also support for a number of legacy 8-bit Microcontrollers (MCS51 like devices) • Custom FPGA Logic Development in C, OpenBus, Schematic, VHDL and Verilog design synthesis, Custom</p>

Wishbone Interface Component. • Pre-synthesized FPGA-modules for Custom Instruments: Terminal Emulator, Digital I/O, Crosspoint Switch, Logic Analyzer, Frequency Generator, Frequency Counter, FieldDashboard for remote access etc. • Free IPs for USB 2.0 ,Ethernet 10/100 , Video Capturing, Audio Streaming ,Touch Screen Controller, SD Card Controller, JPEG Decoder, Infrared, GPS NMEA, GSM/GPRS, MP3 Decoder etc.

2: FPGA Prototyping Board: •

Xilinx FPGA Board : Xilinx: XC3S1400AN-4FGG676C Spartan 3AN FPGA [ Xilinx/a/Lattice] • Integrated color TFT LCD panel (240x320) with touch screen. Stereo audio capabilities including Line in/out/headphones, audio CODEC with I2S-compatible interface analog mixer, audio power amplifier and high-quality speakers. • USB hub, providing connection of up to three USB 2.0 devices, with interfacing handled by an ISP1760 Hi-Speed USB Host Controller. SVGA interface (24-bit, 80MHz). • Stepper Motor Interface and should provide Motor • DC Motor Module with 2 motors Drive • Traffic Light Controller with 29 LEDs including Pedestrian control • Seven Segment display, 4 displays with Decimal Point • Variety of standard communications interfaces: RS-232, RS-485, PS/2, 10/100 Fast Ethernet, USB 2.0, MIDI ,Dual SD card readers – for use by user FPGA and Host Controller respectively. • 32 Bit LED Module • Keypad Interface (4\*4) • IR receiver – supports data transmitted using a 38kHz carrier frequency, Programmable clock (6 to 200MHz) and fixed clock (20MHz) – both available to user FPGA. • 4-channel 8-bit ADC, SPI-compatible – providing maximum sample rate of 200kps. 4- channel 8-bit DAC, SPI-compatible – operating at clock rates of up to 40MHz 4x isolated Relay channels. 4x PWM power drivers 8-way general purpose DIP-Switch, 8 RGB LEDs, 5 PDA-style pushbutton switches. • User prototyping area. I/O expansion headers, with power supply ion links. • On-board memories accessible by user FPGA - 256KB x 32-bit common-bus SRAM (1MB), 16M x 32-bit common-bus SDRAM (64MB), 8M x 16-bit common-bus 3.0V Page Mode Flash memory (16MB), dual 256KB x 16-bit independent SRAM (512KB each) • Four 8Mbit SPI flash memory devices – one containing Primary boot image for Host Controller,one containing golden boot image for Host Controller, two for use by user FPGA (for boot/embedded purposes) • SPI Real-Time Clock with 3V battery backup. 5V DC power connector with power switch, plus test points for all major supplies on the board (and GND). • High-speed PC

		<p>interconnection through USB 2.0 allows for fast downloading and debugging.</p> <p>Sr. No. Description of Item &amp; Model Quantity</p> <p>1      FPGA Development nanoboard with associated software to program as mentioned in specifications : Qty 2</p> <p>2      Stepper Motor Module      : Qty 2</p> <p>2      DC Motor Module      : Qty 2</p> <p>3      Traffic Light Controlle: Qty 2</p> <p>4      Keypad    : Qty    2</p> <p>5      Seven Segment Display:Qty  2</p>

**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_  
\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_